

PI 572437 to 572443-continued

- PI 572440 **origin:** United States. **developed:** D.E. Zimmer, A.L. Urie. **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Logan, Utah 84321 United States. **cultivar:** PCM-1. **pedigree:** PI 195895/Frio, F3. **other id:** GP-2. **source:** Crop Sci. 10(4):463 1970. **group:** CSR-SAFFLOWER. **other id:** W6 12777. **group:** W6. **remarks:** Possess seedling and foliage rust-resistance superior to Ute. Equal in oil to Frio, 5 to 10cm shorter, and about a week earlier. In comparative yield trials in 1969, yielded 5% more than US-10 (2,643kg/ha). Cultivar. Seed.
- PI 572441 **origin:** United States. **developed:** D.E. Zimmer, A.L. Urie. **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Logan, Utah 84321 United States. **cultivar:** PCM-2. **pedigree:** PI 195895/U-5, F3. **other id:** GP-3. **source:** Crop Sci. 10(4):463 1970. **group:** CSR-SAFFLOWER. **other id:** W6 12778. **group:** W6. **remarks:** Possess seedling and foliage rust resistance superior to that of Ute. Lower in oil than Frio, 5 to 10cm taller, and 5 days later. In comparative yield trials in 1969, outyielded US-10 by 24% (3,114kg/ha). Cultivar. Seed.
- PI 572442 **origin:** United States. **developed:** D.E. Zimmer, A.L. Urie. **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Logan, Utah 84321 United States. **cultivar:** PCN1. **pedigree:** Nebraska 1-1-5/Frio, F3. **other id:** GP-4. **source:** Crop Sci. 10(4):463 1970. **group:** CSR-SAFFLOWER. **other id:** W6 7109. **group:** W6. **remarks:** Possesses the exclusionary rust resistance gene N1. This gene although effective against the seedling phase, is ineffective against the foliage phase. The utilization of a variety carrying the N1 gene would presumably greatly reduce primary inoculum for foliage infection, thereby reducing the need of foliage resistance. 5-7 days later in maturity than Frio, 5 to 10cm taller, and equal to Frio in oil percentage. Not been yield tested. Cultivar. Seed.
- PI 572443 **origin:** United States. **developed:** D.E. Zimmer, A.L. Urie. **origin institute:** Agricultural Research Service -- USDA, Crops Research Division, Logan, Utah 84321 United States. **cultivar:** PCOY. **pedigree:** 59-270/Frio, F3. **other id:** GP-5. **source:** Crop Sci. 10(4):463 1970. **group:** CSR-SAFFLOWER. **other id:** W6 12779. **group:** W6. **remarks:** Highest type of foliage rust-resistance presently known in cultivated safflower; and its resistance to seedling rust is surpassed only by the exclusionary resistance of Nebraska 1-1-5. Produces seed equal in oil content to Frio and is of the same maturity and height. Has not been yield tested. Cultivar. Seed.